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State of Nevada
Department of
Agriculture

Soil
Conservation
Service

Reno,
Nevada



Nevada Water Supply Outlook

February 1, 1985



Foreward

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below.

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, AK 99504
Arizona	Room 3008, Federal Building, 230 North First Ave., Phoenix, AZ 85025
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4418 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook Report for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 514, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Nevada Water Supply Outlook and

Federal — State — Private Cooperative Snow Surveys

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All Averages are for 1961 - 1980, 20 year period.

SNOW MEASUREMENTS

Statewide snowpack conditions range from 15% below to 25% above average. The western portion of the state is below average while the northern and eastern basins are above average.

The Sierra Nevada snowpack is 15 to 20% below the February first twenty year averages. Snow measurements for the Lake Tahoe and Truckee basins are 65% of last year's readings. The Heavenly Valley course has 12.7 inches of water as compared to 26.4 inches last year and an average of 17.4 inches. The Mt Rose Ski Area course is 75% of average and 55% of last year.

The Carson and Walker basinwide totals are 80% and 85% of average and 65% of last year's readings. The Blue Lakes course is 70% of last year and 75% of average. Measurements at Sonora Pass are 55% of last year and 80% of average.

Northern Nevada basins are at or above twenty year averages but are only 50% of last year. The Snake and Upper Humboldt basins are 100% of average. The Lamoille #3 course has 7.2 inches of water with an average of 7.8 inches. Measurements at the Tremewan Ranch show 1.9 inches of water which is only 34% of last year, but 160% of average.

Eastern Nevada is 115% of average while the Owyhee Basin is 125% of average.

RESERVOIR STORAGE

Total reservoir storage is 120% of the twenty year average. Total storage on February first in Lake Tahoe, Boca, Bridgeport, Lahontan, Topaz, Rye Patch, and Wildhorse reservoirs was 948,500 acre feet. Boca, Lahontan, and Topaz Reservoirs are below average while the remaining facilities are above. Bridgeport Reservoir storage is 34,200 acre feet as compared to an average of 28,100 acre feet. Lahontan Reservoir has 169,800 acre feet or 88% of average. Total storage this year is 92,500 acre feet less than February 1, 1984.

The surface elevation of Pyramid Lake has risen since last month. The elevation on January 24, 1985 was 3812.13 feet while the elevation on December 27, 1984 was 3812.10 feet. The elevation on October 1, 1984, the beginning of the 1985 water-year, was 3811.87 feet. The surface area of the lake is approximately 115,400 acres with a volume of 23,090,000 acre feet.

STREAMFLOW FORECASTS

Forecasts for the Truckee River and its tributaries are below average. The forecast of the Truckee River at Farad, California is 245,000 acre feet or 88% of average for the period April first through July thirty-first. Steamboat Creek at Steamboat, Nevada should produce 4,600 acre feet which is also 88% of average.

All forecast points on the Carson River are below twenty year averages. The East Fork near Gardnerville, Nevada will be 88% of average while the West Fork at Woodfords, California is slightly better at 92%.

The Humboldt River should produce above average flows at all forecast locations. The Palisade forecast is 250,000 acre feet and the Comus value is 200,000 acre feet. These volumes are 109 and 116% of average respectively. The Little Humboldt River near Paradise Valley, Nevada will produce 10,800 acre feet, while Martin Creek, also near Paradise Valley, will flow 18,000 acre feet.

Eastern Nevada forecasts are good. The Franklin River near Arthur, Nevada should produce 6,500 acre feet which is 110% of average. The flow in Steptoe Creek near Ely, Nevada will be 2,600 acre feet for the period April through July or 130% of average.

The forecast for the Virgin River near Hurricane, Utah is 55,000 acre feet or 115% of average.

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: FEBRUARY 1, 1985

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precip. will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the max. average 24-hour flow. All averages are for 1961-80 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Avg.
<u>TRUCKEE RIVER</u>				
Lake Tahoe Rise in Feet (Assuming gates closed)	April 1 to High	1.3 Ft.	94	1.39
Little Truckee River above Boca, CA	Apr-July	81.0	88	92.5
Truckee River at Farad, CA 1/	Apr-July	245.0	91	269.0
Sagehen Creek, CA	Apr-July	5.8	89	6.5
Washoe Lake Rise	Apr 1 to High	1.2 Ft.	109	1.1
Galena Creek near Steamboat, NV	Apr-July	3.9	88	4.4
Steamboat Creek at Steamboat, NV	Apr-July	4.6	88	5.2
Pyramid Lake Rise	Feb 1 to High	1.8 Ft.	163	1.1
<u>CARSON RIVER</u>				
E. Carson near Gardnerville, NV	Apr-July	165.0	88	187.0
W. Carson at Woodfords, CA	Apr-July	48.0	92	53.0
Carson River near Carson City, NV	Apr-July	154.0	84	182.0
Carson River near Ft. Churchill, NV	Apr-July	138.0	83	166.0
<u>WALKER RIVER</u>				
E. Walker near Bridgeport, CA 2/	Apr-Aug	68.0	103	66.0
W. Walker below L. Walker nr Coleville	Apr-Aug	140.0	95	148.0
Walker Lake Decline	April 1 to Low	-0.5 Ft.		
<u>SNAKE RIVER</u>				
Owyhee River near Owyhee, NV 3/	Apr-July	125.0	146	85.4
Owyhee River near Gold Creek, NV 3/	Apr-July	32.0	145	22.0
S. Fork Owyhee River nr White Rock, NV	Apr-July	120.0	145	83.0
Salmon Falls Crk. nr San Jacinto, NV	Mar-July	89.3	100	89.3
<u>HUMBOLDT RIVER</u>				
Lamoille Crk. nr Lamoille, NV	Apr-July	30.0	105	28.7
S. F. Humboldt abv Dixie Crk., NV	Apr-July	81.0	107	75.0
Mary's River abv Hot Springs, NV	Apr-July	41.0	111	36.9
N. F. Humboldt at Devils Gate, NV	Apr-July	37.0	109	34.8
Humboldt River at Palisades, NV	Apr-July	250.0	109	230.0
Humboldt River at Comus, NV	Apr-July	200.0	116	173.0
Kingston Creek near Austin, NV	Apr-July	3.6	109	3.3
L. Humboldt nr Paradise Valley, NV	Apr-July	10.8	111	9.7
Martin Creek near Paradise Valley, NV	Apr-July	18.0	114	15.8
Reese River nr Ione, NV	Apr-July	8.2	124	6.6
Rock Creek nr Battle Mt., NV	Apr-July	18.9	118	16.0
<u>NORTHERN GREAT BASIN</u>				
Bidwell Creek nr Ft. Bidwell, CA	Apr-July	NO FORECAST		12.0
Mill Creek near Cedarville, CA	Apr-July	NO FORECAST		4.1
Deep Creek near Cedarville, CA	Apr-July	NO FORECAST		3.6
Eagle Creek near Eagleville, CA	Apr-July	NO FORECAST		4.3
Quinn River nr McDermitt, NV	Apr-July	18.0	113	16.0
E. F. Quinn River nr McDermitt, NV	Apr-July	14.5	112	13.0
McDermitt Creek nr McDermitt, NV	Apr-July	12.8	107	12.0
<u>EASTERN NEVADA</u>				
Franklin River nr Arthur, NV	Apr-July	6.5	110	5.9
Steptoe Creek nr Ely, NV	Apr-July	2.6	130	2.0
<u>COLORADO RIVER</u>				
Virgin River nr Hurricane, UT	Apr-June	55.0	115	48.0

NOTE: Streamflow forecasts which appear in this Bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

- 1/ Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence, and Martis Creek Lakes, and minus the flow at Truckee.
- 2/ Observed flow plus change in storage in Bridgeport Reservoir.
- 3/ Observed flow plus change in storage in Wild Horse Reservoir.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF February 1, 1985

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
Owyhee	Wildhorse ^{1/}	72	60.8	58	27.7
Lower Humboldt	Rye Patch	194	127.2	118	94.0
Colorado	Mohave	1,810	1,715.2	1,692	1,660.0
Colorado	Mead	26,159	23,938.0	24,370	17,580.0
Tahoe	Tahoe	745	521.1	545	401.5
Truckee	Boca	41	15.3	25	17.4
Truckee	Stampede**	222	192.9	199	102.0*
Truckee	Prosser***	30	9.6	8	7.5
Carson	Lahontan	295	169.8	222	193.2
West Walker	Topaz	59	20.1	44	33.9
East Walker	Bridgeport	42	34.2	27	28.1

* Adjusted average.
 ** Storage began August 1, 1969.
 *** Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

^{1/} Capacity Increased to 72,000 in 1969

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	976.1	705	698.1
January 1	978.6	1,211	707.7
February 1	948.5	1,041	795.8
March 1		992	850.7
April 1		976	901.1
May 1		1,091	1,009.3

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.

TOTAL USABLE CAPACITY 1,448

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
East Fork Carson River nr Gardnerville	1,375-1,700	1,865
Carson River near Carson City, NV	1,675-2,040	2,098
Carson River near Ft. Churchill, NV	1,450-1,800	1,914
W. Walker R. below L. Walker nr Coleville, CA	1,745-2,140	1,589

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River near Gardnerville, NV	200	7/19	7/24
	500	6/20	6/28

BASIN SUMMARY OF SNOW COURSE DATA

FEBRUARY 1985

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
LAKE TAHOE						
ECHO SUMMIT (CA)	7450	1/31/85	48	15.3	22.2	22.2
FALLEN LEAF (CA)	6300	1/30/85	21	4.8	3.3	6.1
FREEL BENCH (CA)	7300	2/04/85	24	6.2	8.5	8.6
GLENERBROOK #2	6900	1/26/85	22	5.8	8.0	7.6
HAGANS MEADOW (CA)	8000	2/04/85	29	8.4	17.0	12.2
HEAVENLY VALLEY (CA)	8850	1/31/85	42	12.7	26.4	17.4
MAPLETTE LAKE	8000	1/31/85	41	12.0	21.5	14.0
RICHARDSONS #2 (CA)	6500	1/26/85	29	7.4	9.4	10.7
TAHOE CITY CROSS(CA)	6750	1/31/85	30	8.3	13.4	13.3
TRUCKEE, UPPER (CA)	6400	2/04/85	22	4.4	5.3	7.0
WARD CREEK #2 (CA)	7000	1/31/85	60	21.1	32.8	26.2
WARD CREEK #3 (CA)	6750	1/31/85	61	18.9	26.5	23.1
TRUCKEE RIVER						
BIG MEADOWS (CA)	8300	2/01/85	35	10.55	23.0	--
BROCKWAY SUMMIT (CA)	7100	1/30/85	31	8.3	14.8	12.0
CASTLE CREEK (CA)	7400	1/30/85	74	26.5	45.0	32.9
DONNER SUMMIT (CA)	6900	1/28/85	57	19.8	27.8	24.5
FORDYCE LAKE (CA)	6500	1/29/85	61	22.0	24.4	24.1
FURNACE FLAT (CA)	6700	1/29/85	71	25.7	31.8	29.6
INDEPENDENCE CAMP CA	7000	1/31/85	34	8.3	14.5	14.6
LITTLE VALLEY	6300	1/29/85	22	6.6	3.4	4.6
MT. ROSE SKI AREA	9000	1/29/85	63	21.2	39.7	28.6
SQUAW VALLEY #2 (CA)	7500	1/31/85	73	26.3	45.7	31.7
TAHOE CITY CROSS(CA)	6750	1/31/85	30	8.3	13.4	13.3
TRUCKEE #2 (CA)	6400	1/31/85	21	5.4	7.6	9.7
CARSON RIVER						
BLUE LAKES (CA)	8000	1/30/85	56	20.0	28.9	26.2
CARSON PASS, UP (CA)	8600	1/25/85	45	18.1	32.3	21.9
CLEAR CREEK	7300	1/31/85	20	6.7	11.1	7.2
EEBETTS PASS #2 (CA)	8700	1/29/85	56	17.0	33.7	25.6
FISH VALLEY, UP AM, CA	8050	1/29/85	36	8.3	9.6	10.0
MONITOR PASS AM(CA)	8350	1/29/85	28	7.6	13.1	--
POISON FLAT #2 (CA)	7900	1/29/85	31	7.1	10.5	11.5
SPRATT CREEK (CA)	6080	1/29/85	18	4.6	2.5	6.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80

WALKER RIVER						
LEAVITT LAKE (CA)	9400	1/29/85	72	24.9	42.1	29.3
LEAVITT MEADOWS (CA)	7200	1/29/85	23	6.1	4.8	6.5
LOBDELL LAKE (CA)	9200	1/29/85	34	8.5	13.8	11.7
SAWMILL RIDGE (CA)	8750	1/29/85	37	10.1	14.2	13.2
SONORA PASS (CA)	8800	1/29/85	40	12.8	22.8	16.1
VIRGINIA LAKES (CA)	9500	1/29/85	32	8.4	14.2	10.8
VIRGINIA LAKES RIDGE	9200	1/29/85	41	11.0	15.0	9.8
WILLOW FLAT (CA)	8250	1/29/85	22	5.4	9.3	7.2
NORTHERN GREAT BASIN						
BALD MOUNTAIN AM	6720	1/30/85	21	5.9	6.2	2.1
BARBER CREEK (CA)	6500	1/30/85	36	9.7	15.8	8.0
CEDAR PASS (CA)	7100	1/28/85	39	12.9	17.2	10.3
DISASTER PEAK	6500	2/01/85	24	6.8S	18.3	6.7
DISMAL SWAMP #2 (CA)	7000	1/30/85	58	17.4	29.4	44.2
FORTY-NINE MOUNTAIN	6000	1/31/85	25	6.0	6.5	2.7
GOVERNMENT CORRALS	7450	1/29/85	37	11.0	18.0	--
PUEBLO SUMMIT AM	6800	1/30/85	6	1.8	--	--
QUINN RIDGE AM (OR)	6300	1/30/85	12	4.0E	--	1.5
RESERVATION CR. (CA)	5900	1/31/85	33	9.7	16.8	7.8
TROUT CREEK AM	7800	1/30/85	27	8.1	--	4.9
SNAKE RIVER						
BEAR CREEK	7800	2/01/85	---	12.8E	22.4	13.2
FOX CREEK	6800	2/01/85	21	7.2E	12.3	--
GOAT CREEK	8800	2/01/85	---	12.6E	20.6	11.4
HUMMINGBIRD SPRINGS	8950	2/01/85	---	16.0E	26.0	15.0
JAKES CREEK AM	7000	1/30/85	15	2.9	9.6	3.7
MERRIT MOUNTAIN AM	7000	1/30/85	18	4.7	12.2	5.0
POLE CREEK R.S.	8330	2/01/85	---	12.3E	21.9	13.5
SEVENTYSIX CREEK	7100	2/01/85	27	8.6E	18.3	6.3
STAG MOUNTAIN AM	7700	1/30/85	18	4.9	12.5	3.7
OWYHEE RIVER						
BIG BEND	6700	2/01/85	19	6.3E	10.2	6.0
COLUMBIA BASIN AM	6650	1/30/85	35	9.1	18.4	6.5
FAWN CREEK AM	7050	1/30/85	43	11.2	19.7	7.8
FAWN CREEK #2	7050	2/01/85	38	12.7S	21.0	12.4
GOLD CREEK	6600	2/01/85	12	4.0E	5.1	3.8
JACK CREEK, LOWER	6800	2/01/85	9	2.9E	4.7	2.0
JACK CREEK, UPPER	7250	2/01/85	20	5.2E	11.2	4.7
JACK CREEK #2, UPPER	7280	2/01/85	46	12.1E	21.7	7.5
JACKS PEAK	8420	2/01/85	48	16.1E	27.2	12.1
LAUREL DRAW	6700	2/01/85	---	7.0E	11.2	6.2
TAYLOR CANYON	6200	1/30/85	21	3.8	12.1	3.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-

HUMBOLDT RIVER, UPPER						
AMERICAN BEAUTY AM	7800	1/30/85	34	8.5	17.2	5.7
CORRAL CANYON	8500	2/01/85	30	8.6S	18.1	9.7
DORSEY BASIN	8100	2/01/85	26	8.7E	18.8	9.4
DRY CREEK	6500	2/01/85	13	4.4E	9.1	5.2
FRY CANYON	6700	2/01/85	17	5.6E	12.0	5.0
GREEN MOUNTAIN	8000	2/01/85	28	9.2E	21.3	11.0
LAMOILLE #1	7100	1/31/85	28	6.2	11.8	5.8
LAMOILLE #3	7700	1/31/85	28	7.2	16.5	7.8
LAMOILLE #5	8700	1/31/85	47	16.7	31.8	17.3
RODEO FLAT	6800	2/01/85	14	4.6E	13.0	4.1
RYAN RANCH	5800	2/01/85	7	2.4E	5.0	--
SMITH CREEK	7700	2/01/85	23	7.8E	18.7	--
TENT MTN, LOWER AM	7000	1/30/85	35	8.8	12.3	8.5
TENT MTN, UPPER AM	8350	1/30/85	59	15.3	32.4	15.1
TREMEWAN RANCH	5700	1/31/85	11	1.9	5.6	1.2
HUMBOLDT RIVER, LOWER						
BIG CREEK CAMPGROUND	6600	2/01/85	4	1.2E	4.9	--
BIG CREEK MINE	7600	2/01/85	14	4.7E	8.8	--
BIG CREEK SUMMIT	8700	2/01/85	48	13.6S	23.1	6.3
BIG CREEK, UPPER	7800	2/01/85	28	9.3E	17.0	--
BUCKSKIN, LOWER	6700	2/01/85	17	5.6S	12.2	--
BUCKSKIN, UPPER	8200	2/01/85	25	8.5E	15.7	--
GOLCONDA #2	6000	2/01/85	4	1.4E	9.4	1.3
GRANITE PEAK	7800	2/01/85	34	11.3E	20.1	10.5
LAMANCE CREEK	6000	2/01/85	25	8.4E	15.8	--
MARTIN CREEK	6700	2/01/85	28	9.4E	11.3	7.2
TOE JAM AM	7700	1/30/85	29	7.3	16.3	6.4
EASTERN NEVADA						
BIRD CREEK	7500	1/28/85	18	3.5	--	--
HOLE-IN-MOUNTAIN	7900	2/01/85	41	11.9S	31.8	13.3
MURRAY SUMMIT	7250	1/29/85	19	3.4	5.2	--
ROBINSON SUMMIT	7600	1/29/85	14	2.7	4.1	--
WARD MOUNTAIN #2	9200	2/01/85	36	9.6S	11.2	5.1
LOWER COLORADO RIVER						
LEE CANYON #2	9000	1/28/85	34	8.4	33.7	--
LEE CANYON #3	8500	1/28/85	33	8.9	2.6	--

SNOW MEASUREMENTS

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR
<u>DESERT RESEARCH INSTITUTE MEASUREMENTS</u>					
<u>TAHOE-TRUCKEE BASIN</u>					
Alder Creek	6,960	01/30/85	51.0	17.5	29.7
Apollo Way	7,300	01/27/85	20.0	6.7	11.3
Bennett Flat	6,200	01/30/85	27.0	8.2	8.3
Brockway Summit	7,200	01/30/85	39.0	11.5	16.6
Cabin Creek	6,540	01/30/85	27.0	8.2	9.5
Clear Creek	5,800	01/27/85	1.5	0.2	0
Cliff Ranch, Franktown	5,250	01/27/85	10.0	1.7	0.8
Davis Creek	5,160	01/27/85	10.5	1.7	0
Evergreen Hills Road	5,700	01/27/85	6.0	1.9	1.1
Fuller Lake	6,200	01/30/85	10.0	2.8	1.4
Galena Creek	7,440	01/27/85	40.0	11.6	9.7
Hennes Past Jct.	6,410	01/27/85	27.0	7.6	9.7
Hobart Mill	5,850	01/30/85	17.0	4.5	6.0
Incline Creek	6,235	01/27/85	2.0	0.4	0
Jones Creek	6,000	01/27/85	10.5	2.8	1.9
Joy Lake	6,000	01/27/85	4.5	1.2	0.9
Jct. 395 & NV 27	4,590	01/27/85	0.5	0.1	0
Lancer	5,110	01/27/85	1.0	0.1	0
Little Valley	6,540	01/27/85	25.0	7.0	4.8
Mount Rose Resort	8,280	01/27/85	48.0	14.1	30.4
North Star Fire Dept.	6,320	01/30/85	20.0	4.9	3.9
RNR Forestry Site	6,400	01/27/85	21.0	4.6	7.1
Reindeer Lodge	7,060	01/27/85	27.0	6.6	9.4
Sagehen Creek	6,340	01/30/85	28.5	8.5	8.3
Sky Tavern	7,620	01/27/85	32.0	9.4	20.1
Spooner Summit	7,260	01/27/85	30.0	8.2	13.6
Squaw Valley Fire Dept.	6,240	01/30/85	28.0	8.6	8.6
Tahoe City	6,240	01/30/85	22.0	6.7	8.8
Tahoe Meadows	8,540	01/27/85	64.0	20.5	38.0
Tamarack Lake	8,820	01/27/85	48.0	15.4	28.8
Third Creek	8,000	01/27/85	37.0	11.3	25.8
Thunder Cliff	6,200	01/30/85	28.0	8.8	7.9
Truckee-Tahoe Airport	5,900	01/30/85	12.0	3.5	0
Whites Creek	5,670	01/27/85	2.0	0.2	0

P R E C I P I T A T I O N D A T A

FEBRUARY 1985

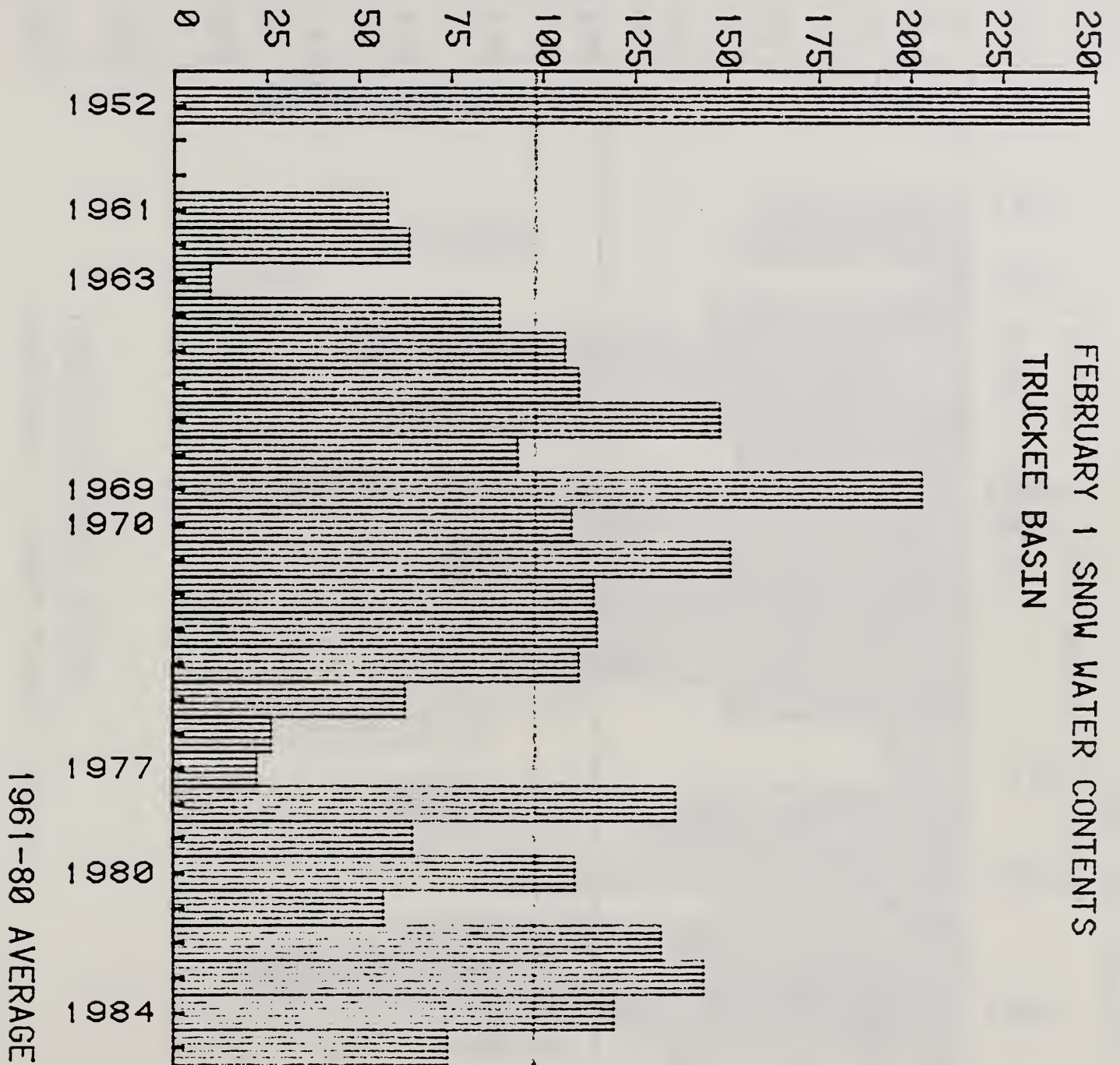
PRECIPITATION STATION	JANUARY		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
ARTHUR 4NW,NV	.38	1.65	5.77	5.98
AUSTIN,NV	1.20	1.07	4.42	4.32
BATTLE MOUNTAIN,NV	.43	.78	3.41	3.32
BEAR CREEK,NV	1.00	3.50	13.30	13.79
BERRY CREEK,NV	N O	R E P O R T		
BIG BEND,NV	.80	2.75	6.90	8.00
BIG CREEK SUMMIT,NV	1.20	2.80	10.00	6.65
BOIES RESERVOIR	N O	R E P O R T		
BUCKSKIN LOWER,NV	.40	2.30	9.50	11.90
CALIENTE	.83	---	3.66	---
CARSON CITY	N O	R E P O R T		
CEDAR PASS	1.30	---	20.70	---
CEDARVILLE	N O	R E P O R T		
CONTACT	.23	.73	2.64	3.30
CORRAL CANYON,NV	1.00	3.80	11.70	10.90
DEETH	.40	---	4.72	---
DENIO	.26	.96	6.46	3.54
DESSERT ROCK	N O	R E P O R T		
DIAMOND PEAK	1.30	---	7.30	---
DISHAL SWAMP	1.20	---	24.40	---
DISASTER PEAK,NV	.50	2.45	10.10	12.35
DORSEY BASIN,NV	1.40	3.90	12.00	12.66
DRAW CREEK	N O	R E P O R T		
DUFURRENA,NV	.10	.73	4.29	2.73
ELKO,NV	.54	1.08	4.14	3.76
ELY,NV	.49	.68	3.65	2.00
EMIGRANT PASS,NV	.73	1.13	5.54	4.41
FAWN CREEK #2,NV	1.20	2.30	13.70	9.40
FALLON EXP. STN.	.31	---	1.72	---
FALLON NAS	N O	R E P O R T		
FERGUSON RANCH	N O	R E P O R T		
FORD CURRAL	N O	R E P O R T		
FRY CANYON	N O	R E P O R T		
FORTY-NINE MOUNTAIN	N O	R E P O R T		
GOAT CREEK,NV	1.00	4.88	13.20	14.18
GRANITE PEAK,NV	1.20	3.25	15.20	15.05
GREEN MOUNTAIN,NV	1.30	3.60	12.30	16.60
HAWTHORNE	.44	---	1.10	---
HOLE-IN-MOUNTAIN,NV	N O	R E P O R T		
JACK CREEK -UPPER,N	1.40	3.75	12.00	12.70

PRECIPITATION STATION	JANUARY		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
JACK'S PEAK, NV	.50	6.50	13.30	27.50
JIGG'S	.50	---	4.02	---
LANANCE CREEK	.50	---	12.60	---
LANOILLE, NV	.20	1.33	6.09	5.64
LANOILLE #3, NV	.60	2.50	11.10	11.15
LAS VEGAS	.19	---	2.82	---
LAUREL DRAW, NV	1.10	3.00	12.20	12.90
LOVELOCK FAA	.43	---	3.17	---
MARTIN CREEK RS, NV	N O	R E P O R T		
MINDEN	N O	R E P O R T		
MONTELLO	.13	.51	1.69	2.21
MOUNTAIN CITY RS, NV	.57	1.62	4.21	5.29
MT. ROSE/XMAS TREE	.80	---	8.80	---
OROVADA, NV	.15	1.19	4.96	4.16
OWYHEE, NV	.53	1.25	5.17	5.14
PARADISE VALLEY, NV	.32	1.44	4.88	4.98
PEQUOP	.30	---	3.35	---
PINYON HINE (NE MMC)	.87	---	3.61	---
PINOCHE	N O	R E P O R T		
POLE CREEK RS, NV	1.00	3.13	7.80	9.45
RENO WSFO	.24	---	2.59	---
RENO UNR	.35	---	---	---
RODEO FLAT, NV	N O	R E P O R T		
RUBY LAKE	.82	---	5.96	---
SEVENTYSIX CREEK, NV	.60	3.18	8.40	9.89
SKY TAVERN	N O	R E P O R T		
SPARKS-FIRE DEPT	.23	---	2.47	---
SPARKS-COBB	N O	R E P O R T		
STATELINE	.23	---	3.36	---
TAYLOR CANYON, NV	.50	1.36	4.90	5.66
TONOPAH	.54	---	1.72	---
TROUT CREEK, LOWER	N O	R E P O R T		
TUSCARORA, NV	N O	R E P O R T		
VIRGINIA CITY	.29	---	6.89	---
WARD MOUNTAIN, NV	N O	R E P O R T		
WILDHORSE RESERVOIR	.74	---	4.56	---
WELLS	.09	.89	3.23	3.59
WINNEMUCCA	.83	---	4.38	---
YERINGTON	.19	---	1.08	---

FEBRUARY 1985

PRECIPITATION STATION	JANUARY		WATER YEAR	
	THIS YEAR	61-80 AVERAGE	TOTAL TO DATE	61-80 AVERAGE
ALTURAS	N O	R E P O R T		
BIG MEADOWS, NV	.70	7.10	16.00	31.60
BISHOP WSO	N O	R E P O R T		
BLUE CANYON	N O	R E P O R T		
BLUE LAKES, CA	4.60	12.50	44.20	30.45
BOCA	N O	R E P O R T		
BRIDGEPORT-SHERIF	N O	R E P O R T		
BRIDGEPORT R.S.	N O	R E P O R T		
CEDAR PASS, CA	1.30	4.30	16.10	15.53
CEDARVILLE	.28	1.82	5.88	7.55
DAGGETT PASS	N O	R E P O R T		
DISHAL SWAMP, CA	1.20	5.90	24.40	27.90
CONNER PARK, CA	N O	R E P O R T		
EBBETTS PASS, CA	4.00	9.61	42.40	27.00
ECHO PEAK, CA	N O	R E P O R T		
ECHO SUMMIT (S.S.R.)	N O	R E P O R T		
ELLERY LAKE	N O	R E P O R T		
FALLEN LEAF, CA	N O	R E P O R T		
FT BIDWELL	.41	2.41	---	8.01
GEIGER SUMMIT	N O	R E P O R T		
GLENBROOK, NV	N O	R E P O R T		
HAGAN'S MEADOW, CA	.90	7.35	12.60	15.12
HAPPY CAMP, CA	.56	12.23	31.09	35.11
HEAVENLY VALLEY, CA	.80	7.28	13.80	17.58
HETCH-HETCHY	N O	R E P O R T		
INCLINE VILLAGE	N O	R E P O R T		
INDEPENDENCE CAMP, CA	1.20	6.66	13.80	18.44
INDEPENDENCE CREEK, C	N O	R E P O R T		
INDEPENDENCE LAKE, CA	2.50	8.40	---	24.75
KINGSBURY GRADE	N O	R E P O R T		
LEAVITT MEADOW, CA	.90	9.75	12.80	23.50
LITTLE VALLEY, NV	N O	R E P O R T		

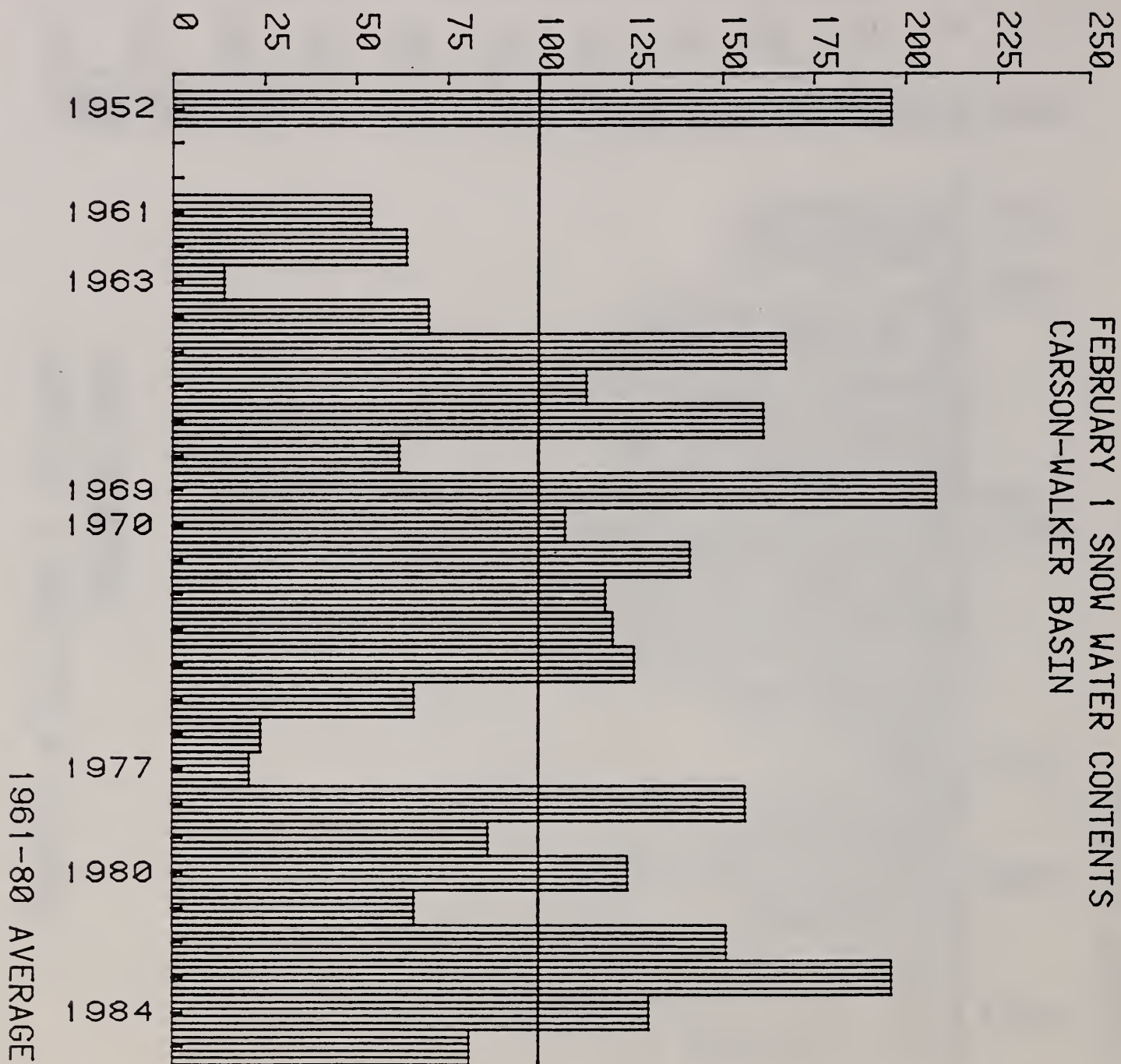
BASIN AVERAGE SNOW WATER CONTENT,
PERCENT OF FEBRUARY 1 AVERAGE



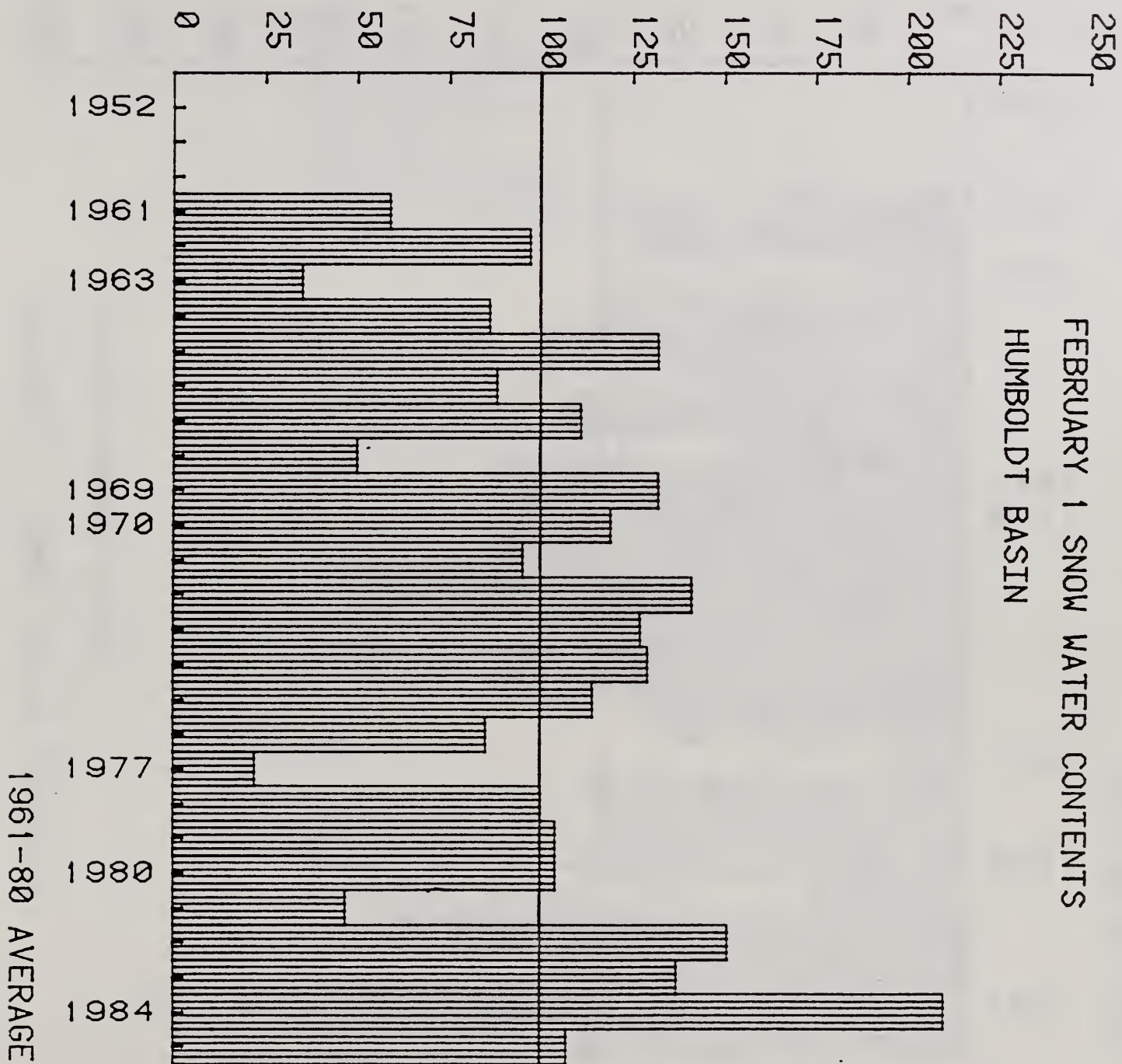
FEBRUARY 1 SNOW WATER CONTENTS
TRUCKEE BASIN

BASIN AVERAGE SNOW WATER CONTENT,
PERCENT OF FEBRUARY 1 AVERAGE

FEBRUARY 1 SNOW WATER CONTENTS
CARSON-WALKER BASIN

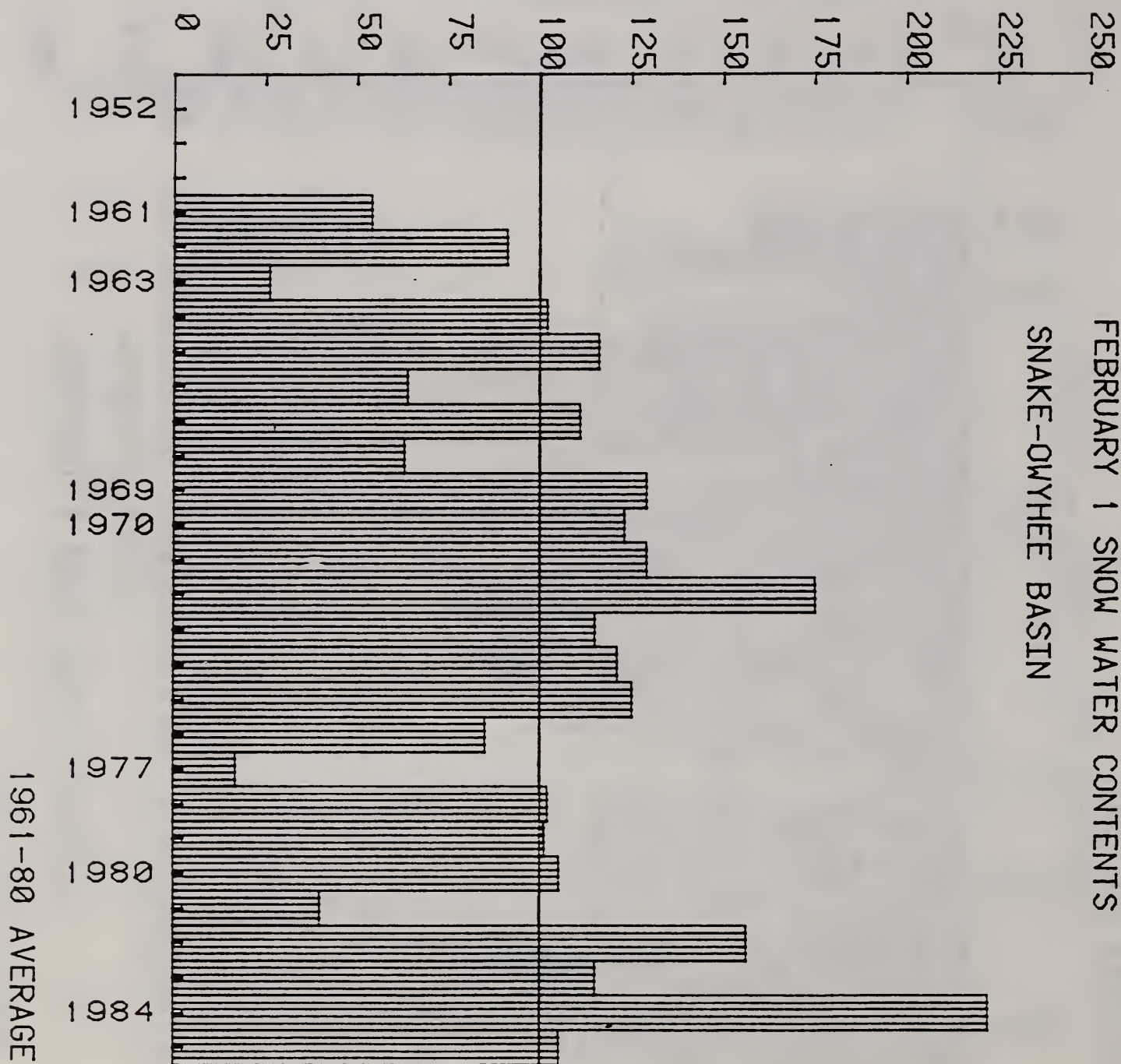


BASIN AVERAGE SNOW WATER CONTENT,
PERCENT OF FEBRUARY 1 AVERAGE



BASIN AVERAGE SNOW WATER CONTENT,
PERCENT OF FEBRUARY 1 AVERAGE

FEBRUARY 1 SNOW WATER CONTENTS
SNAKE-OWYHEE BASIN



AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U.S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester
 Division of Conservation Districts
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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